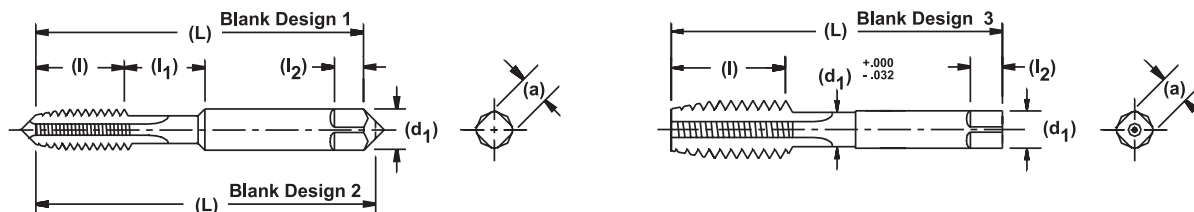


Optional Neck and Shortened Thread Length

Standard Tap Dimensions

Tolerances

USCTI Table 302A



nominal diameter range inches over to (inc.)		machine screw size number inches		nominal fractional diameter inches		nominal metric diameter millimeters (inches)		blank design no.	L overall length	l thread length	l ₁ neck length	l ₂ square length	d ₁ shank diameter	a square size
.104	.117	4	(.1120)					1	1.88	.31	.25	.19	.1410	.110
.117	.130	5	(.1250)			M3	(.1181)	1	1.94	.31	.31	.19	.1410	.110
.130	.145	6	(.1380)			M3.5	(.1378)	1	2.00	.38	.31	.19	.1410	.110
.145	.171	8	(.1640)			M4	(.1575)	1	2.13	.38	.38	.25	.1680	.131
.171	.197	10	(.1900)			M4.5	(.1772)	1	2.38	.50	.38	.25	.1940	.152
						M5	(.1969)							
.197	.223	12	(.2160)					1	2.38	.50	.44	.28	.2200	.165
.223	.260			1/4	(.2500)	M6	(.2362)	2	2.50	.63	.38	.31	.2550	.191
.260	.323			5/16	(.3125)	M7(.2756)	M8(.3150)	2	2.72	.69	.44	.38	.3180	.238
.323	.395			3/8	(.3750)	M10	(.3937)	2	2.94	.75	.50	.44	.3810	.286
.395	.448			7/16	(.4375)			3	3.16	.88	-	.41	.3230	.242
.448	.510			1/2	(.5000)	M12	(.4724)	3	3.38	.94	-	.44	.3670	.275
.510	.573			9/16	(.5625)	M14	(.5541)	3	3.59	1.00	-	.50	.4290	.322
.573	.635			5/8	(.6250)	M16	(.6299)	3	3.81	1.09	-	.56	.4800	.360
.635	.709			11/16	(.6875)	M18	(.7087)	3	4.03	1.09	-	.63	.5420	.406
.709	.760			3/4	(.7500)			3	4.25	1.22	-	.69	.5900	.442
.760	.823			13/16	(.8125)	M20	(.7874)	3	4.47	1.22	-	.69	.6520	.489
.823	.885			7/8	(.8750)	M22	(.8661)	3	4.69	1.34	-	.75	.6970	.523
.885	.948			15/16	(.9375)	M24	(.9449)	3	4.91	1.34	-	.75	.7600	.570
.948	1.010			1	(1.0000)	M25	(.9843)	3	5.13	1.50	-	.81	.8000	.600

TECHNICAL High Speed Steel